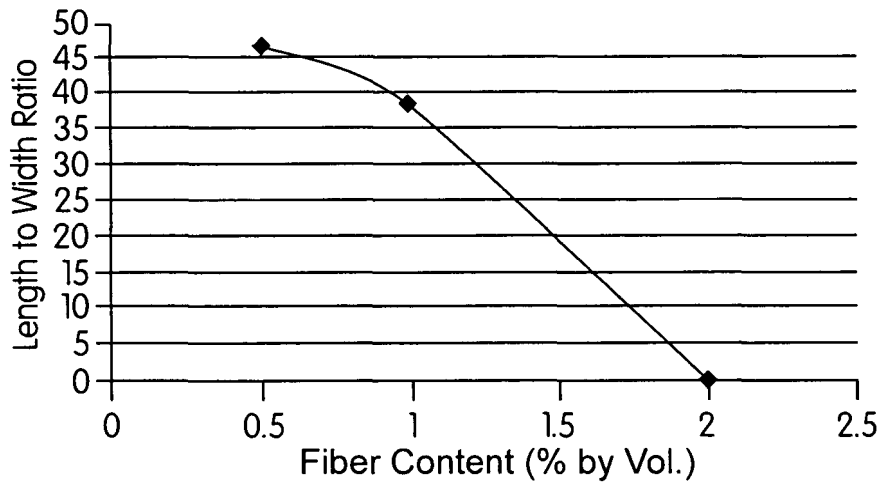


Comparison Between the Crack Areas for Different Fiber Contents

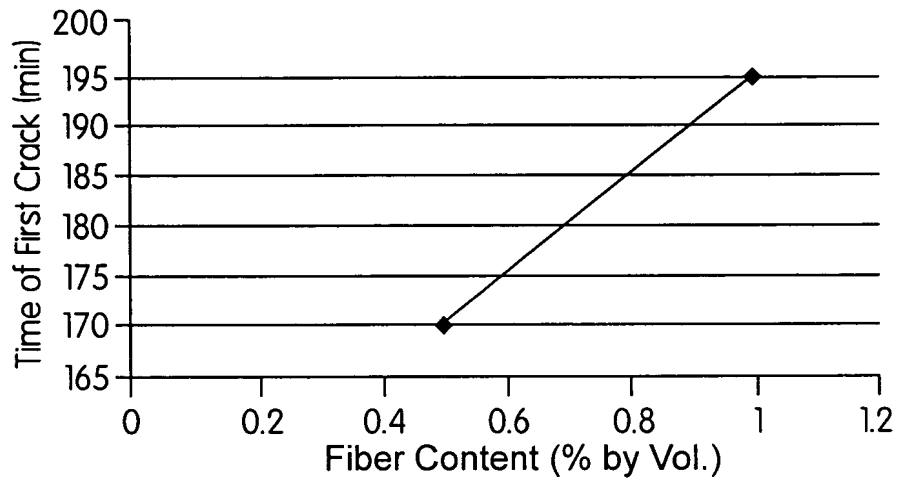
FIG. 1



Comparison of Length to Width Ratios of Cracks for Different Fiber Contents

FIG. 2

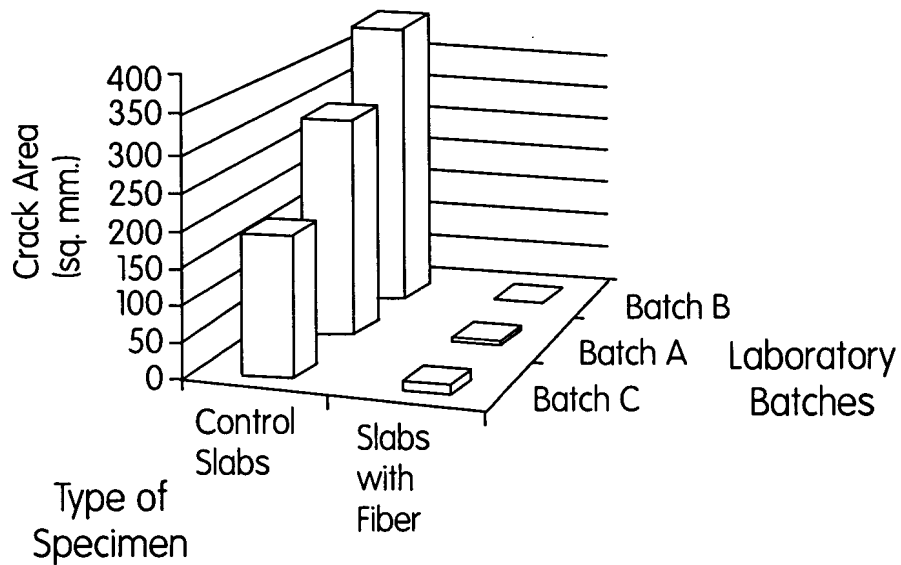
2/27



Comparison of Time of First Crack for Different Fiber Contents

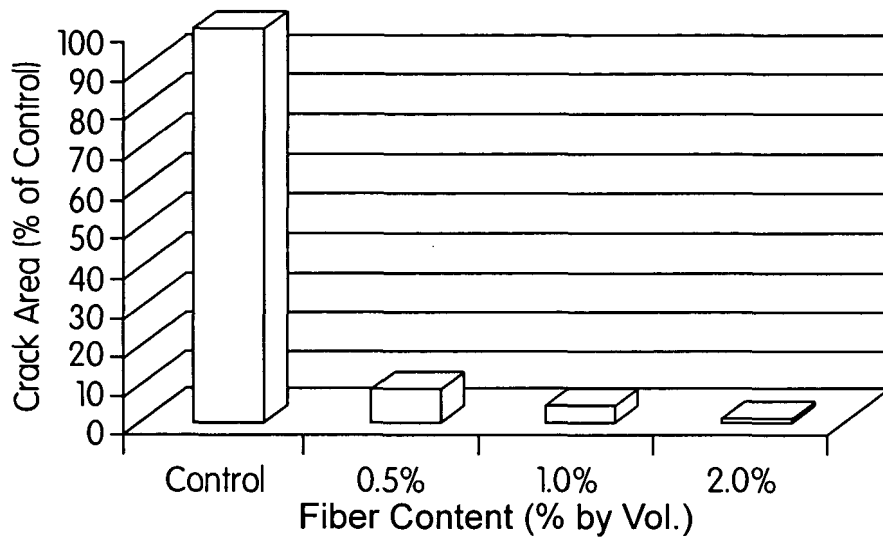
Note: Slabs with 2% Fiber Content Did not Crack

FIG. 3



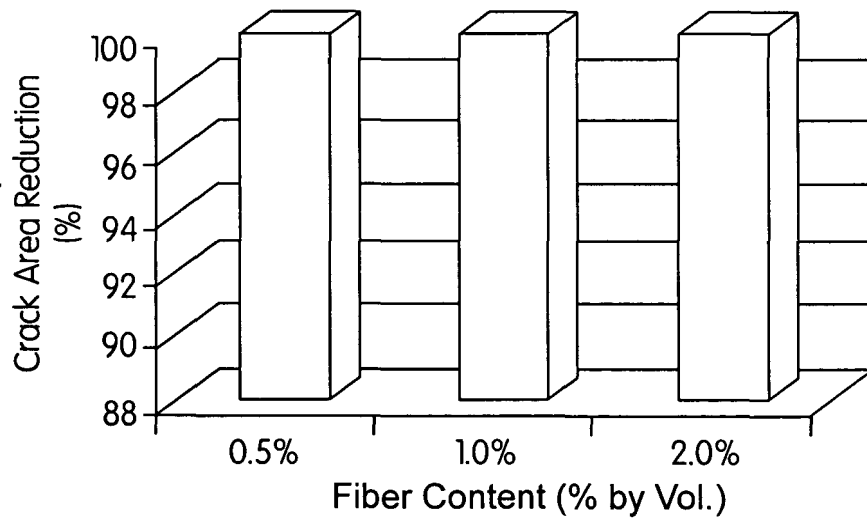
Comparison of Crack Areas between Control Slabs and Slabs With Fiber for Different Laboratory Batches

FIG. 4



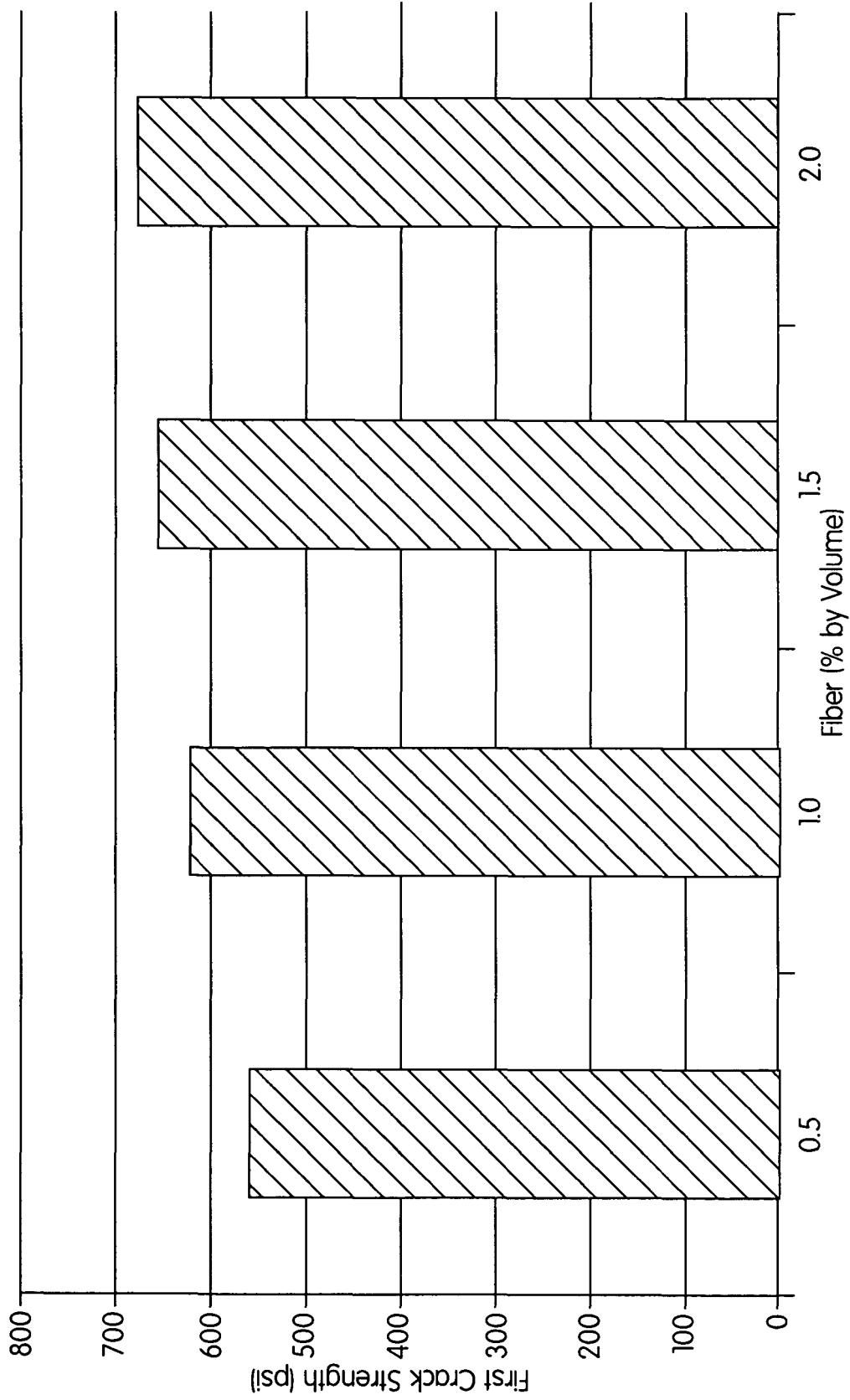
Comparison of Crack Areas as a Percentage of Control for Different Fiber Contents

FIG. 5



Comparison of Crack Area Reduction for Different Fiber Contents

FIG. 6

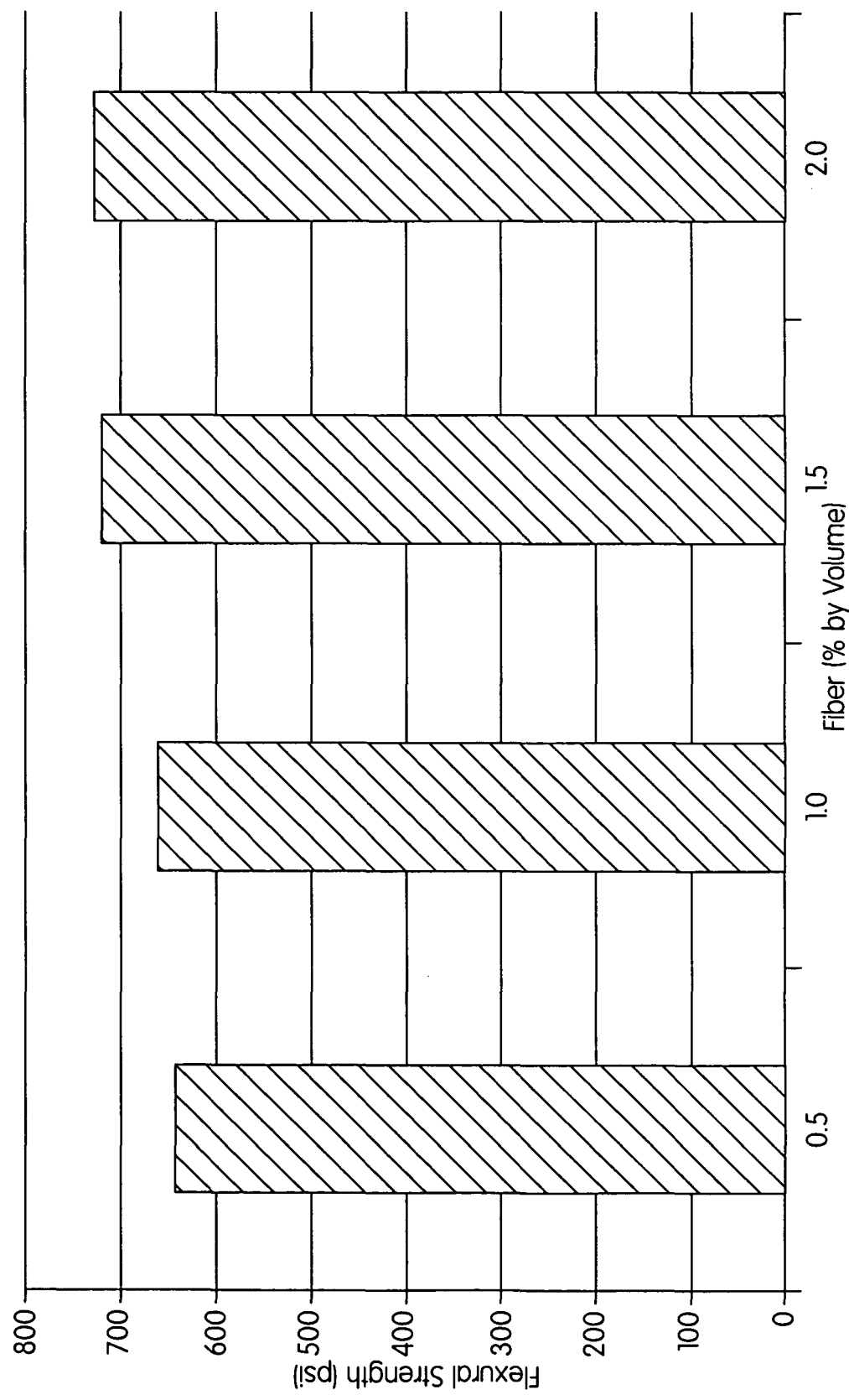


First Crack Strength vs. Fiber Content

FIG. 7

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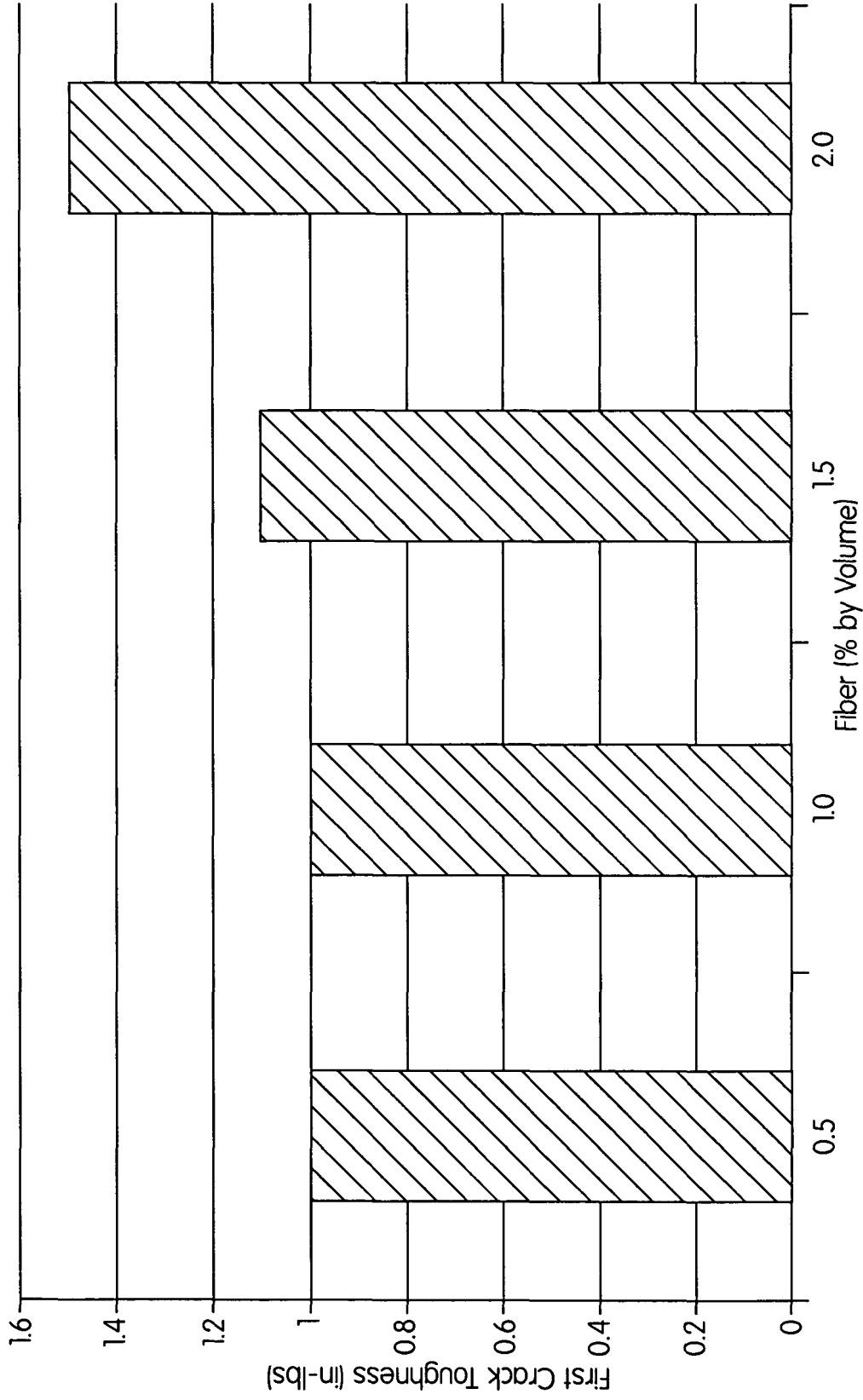
5/27



Modulus of Rupture vs. Fiber Content

FIG. 8

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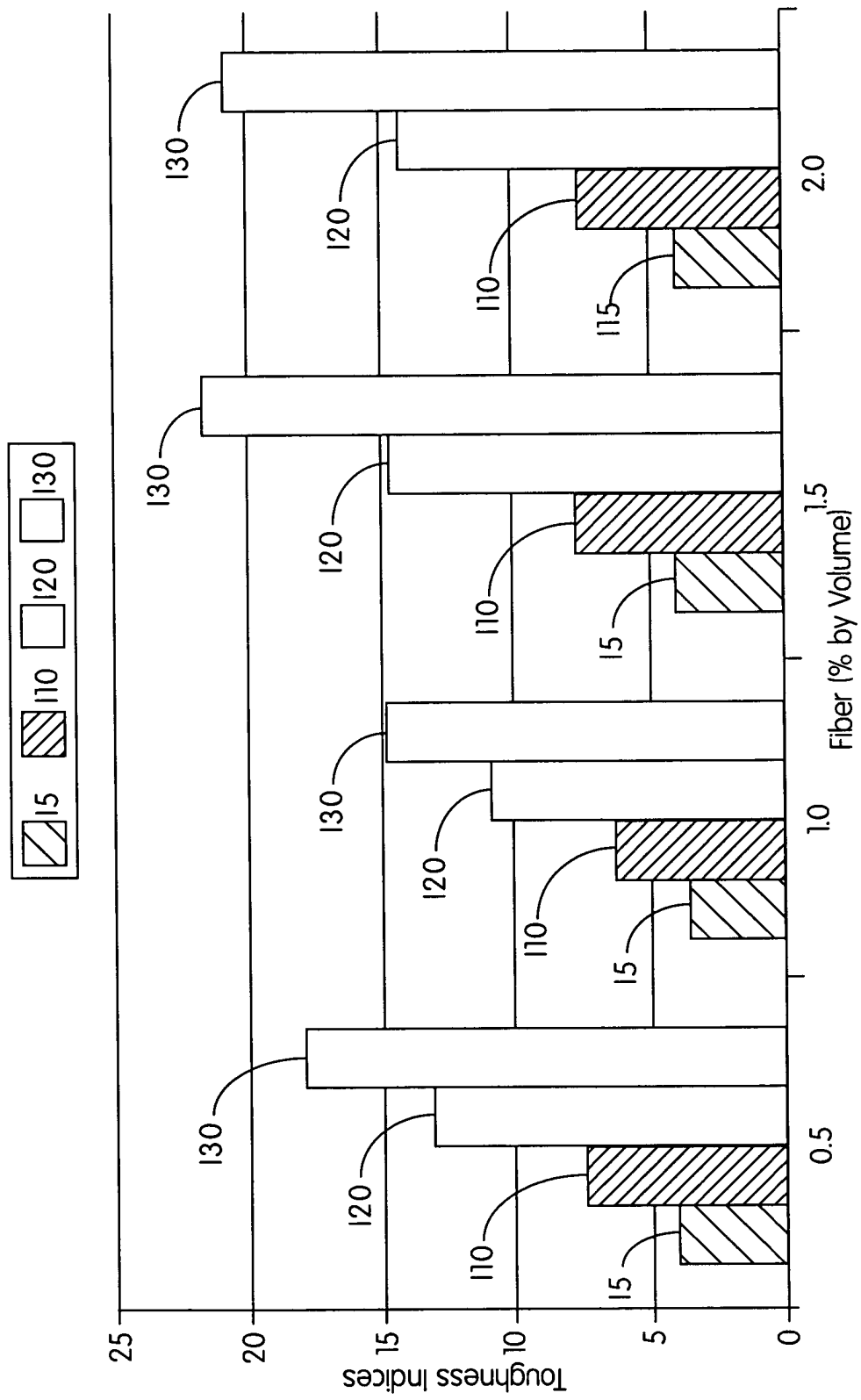


First Crack Toughness vs. Fiber Content

FIG. 9

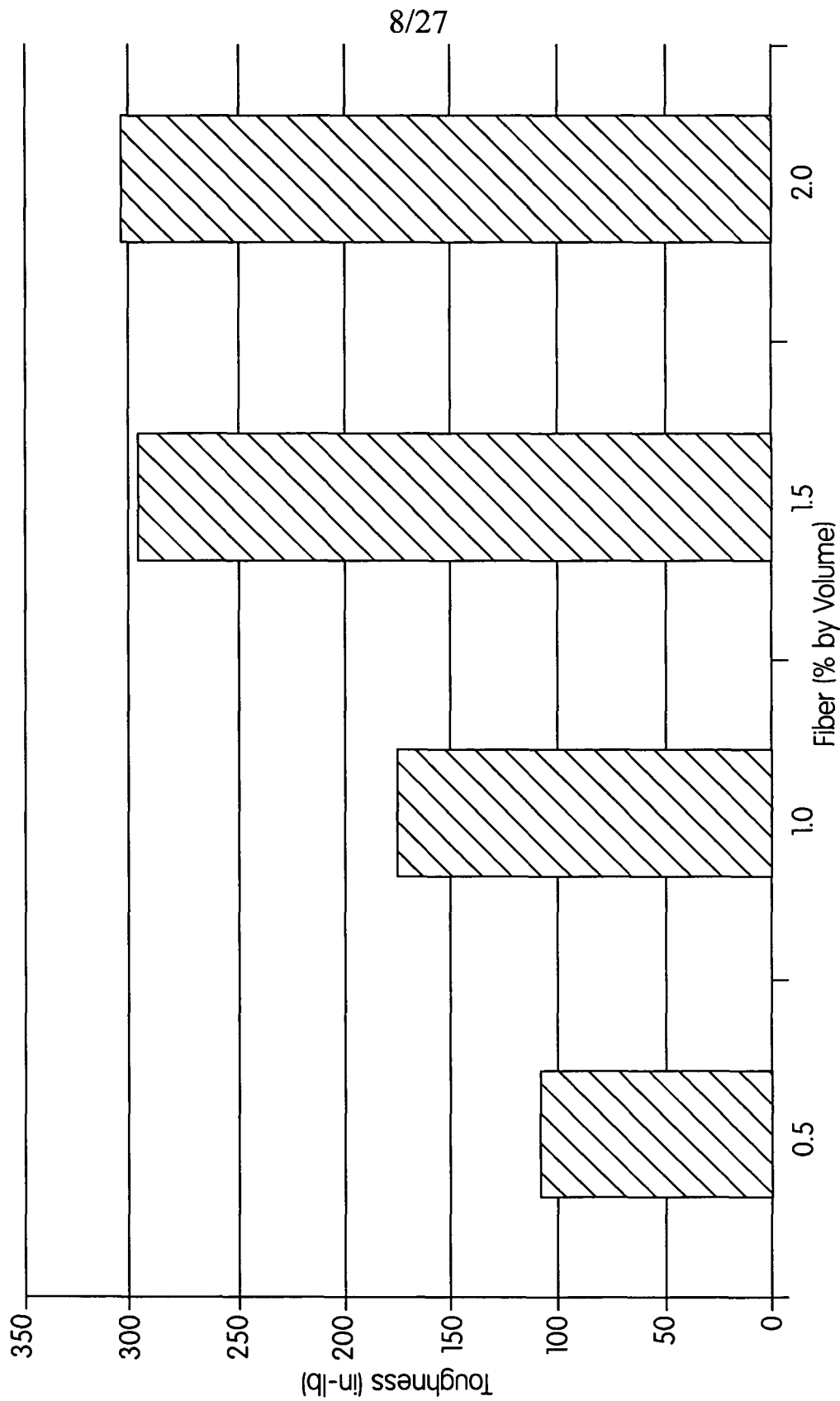
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7/27



Toughness Indices vs. Fiber Content
FIG. 10

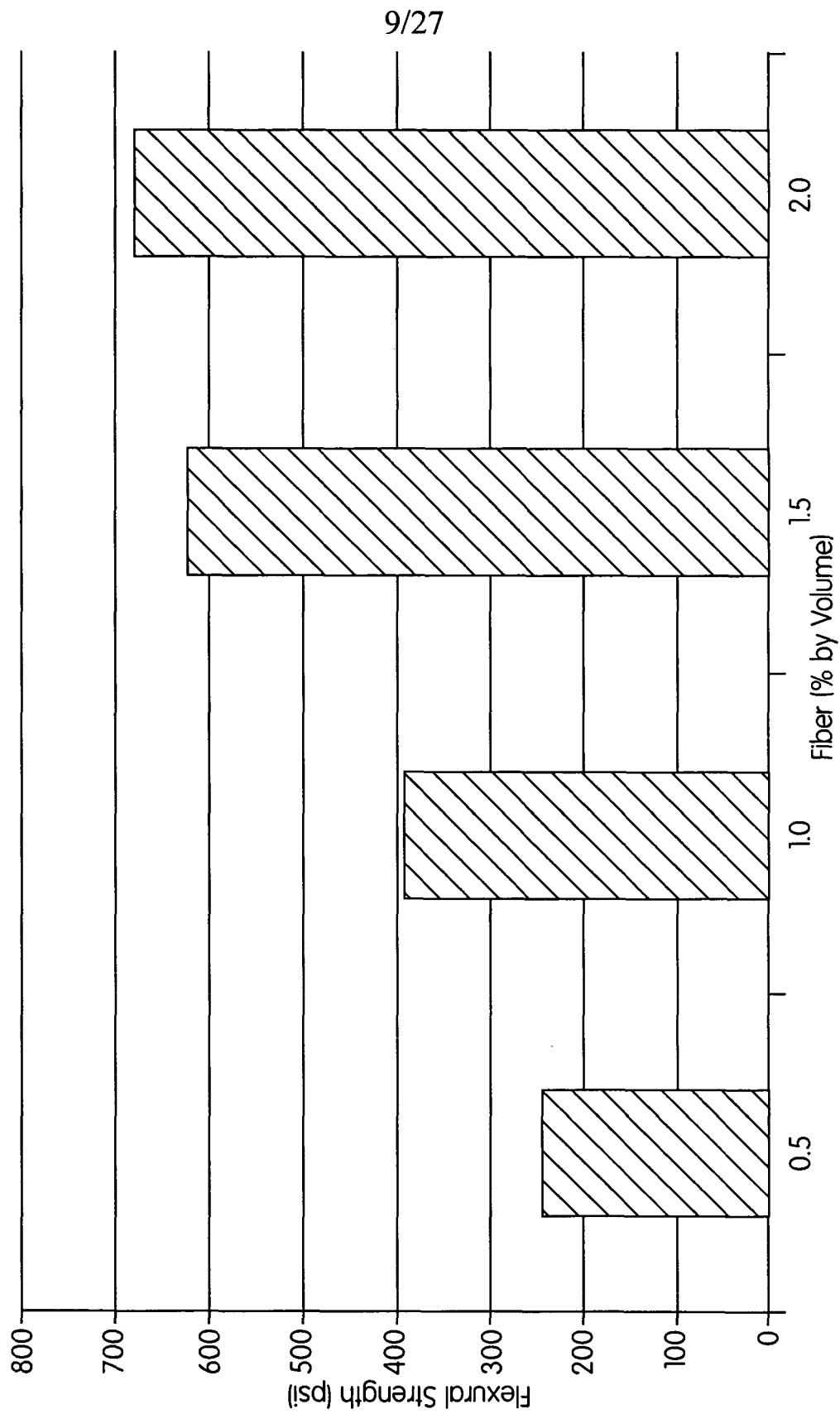
+



Japanese Toughness vs. Fiber Content

FIG. 11

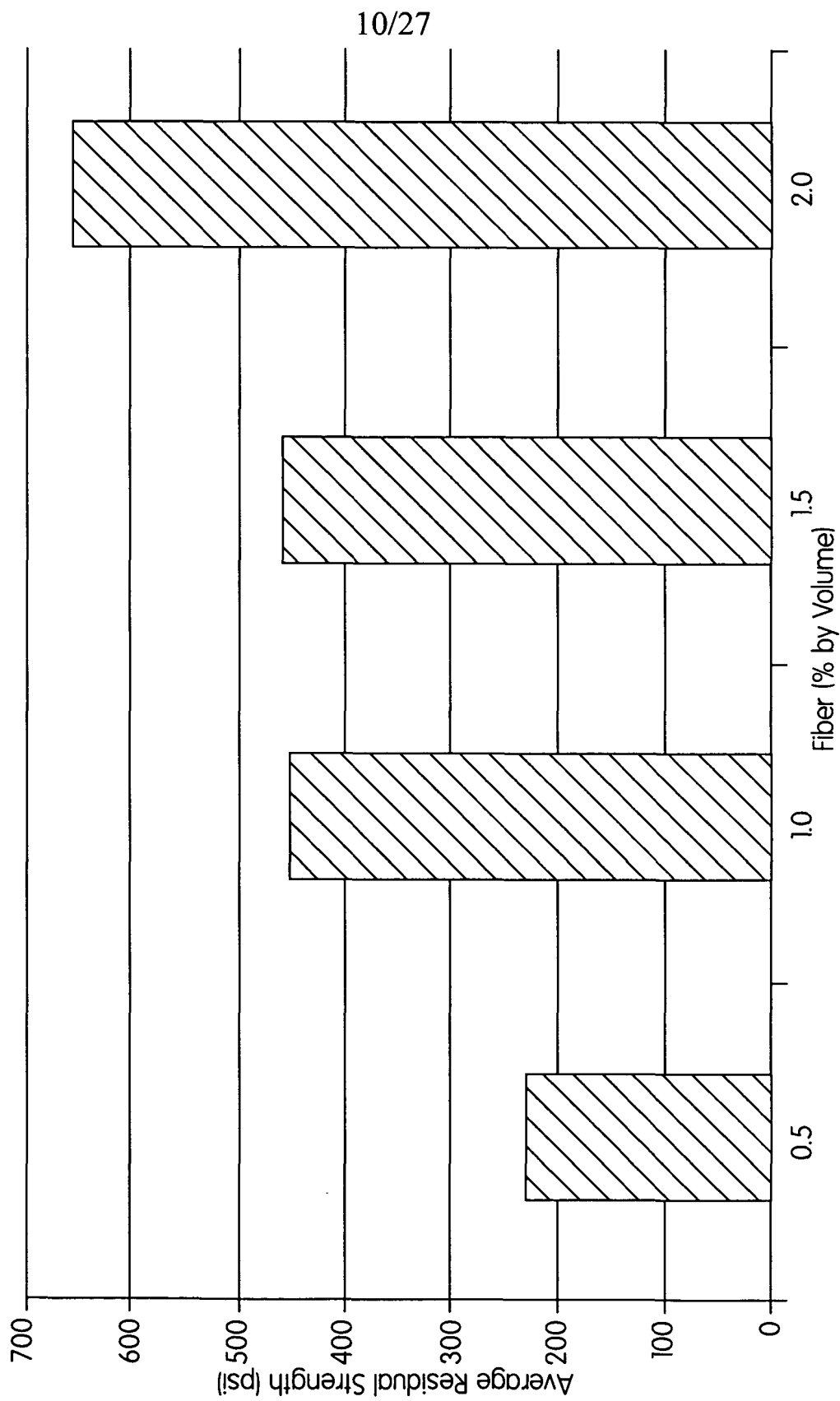
+



Japanese Flexural Strength vs. Fiber Content

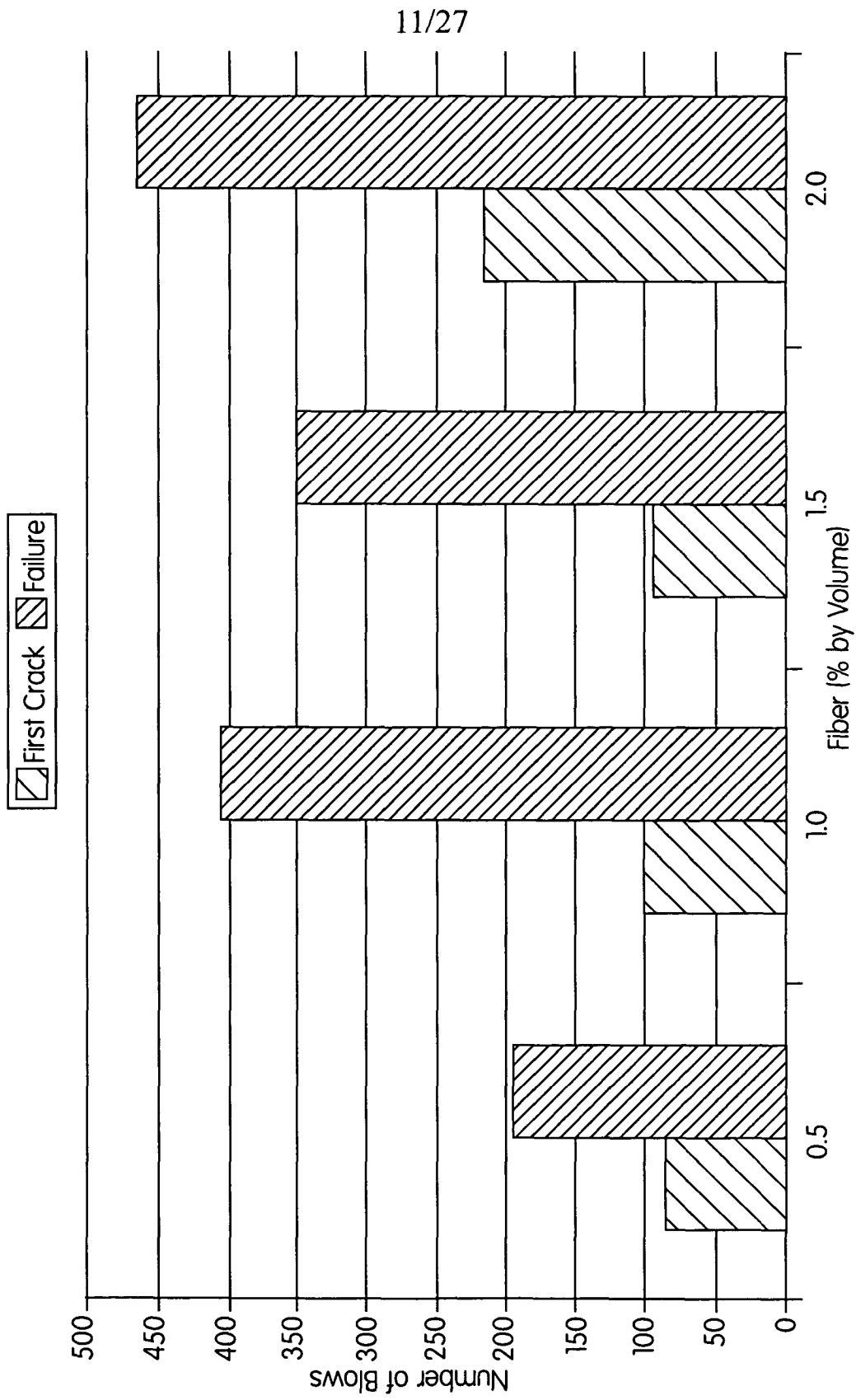
FIG. 12

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Average Residual Strength vs. Fiber Content

FIG. 13



Number of Blows to First Crack and Failure vs. Fiber Content

FIG. 14

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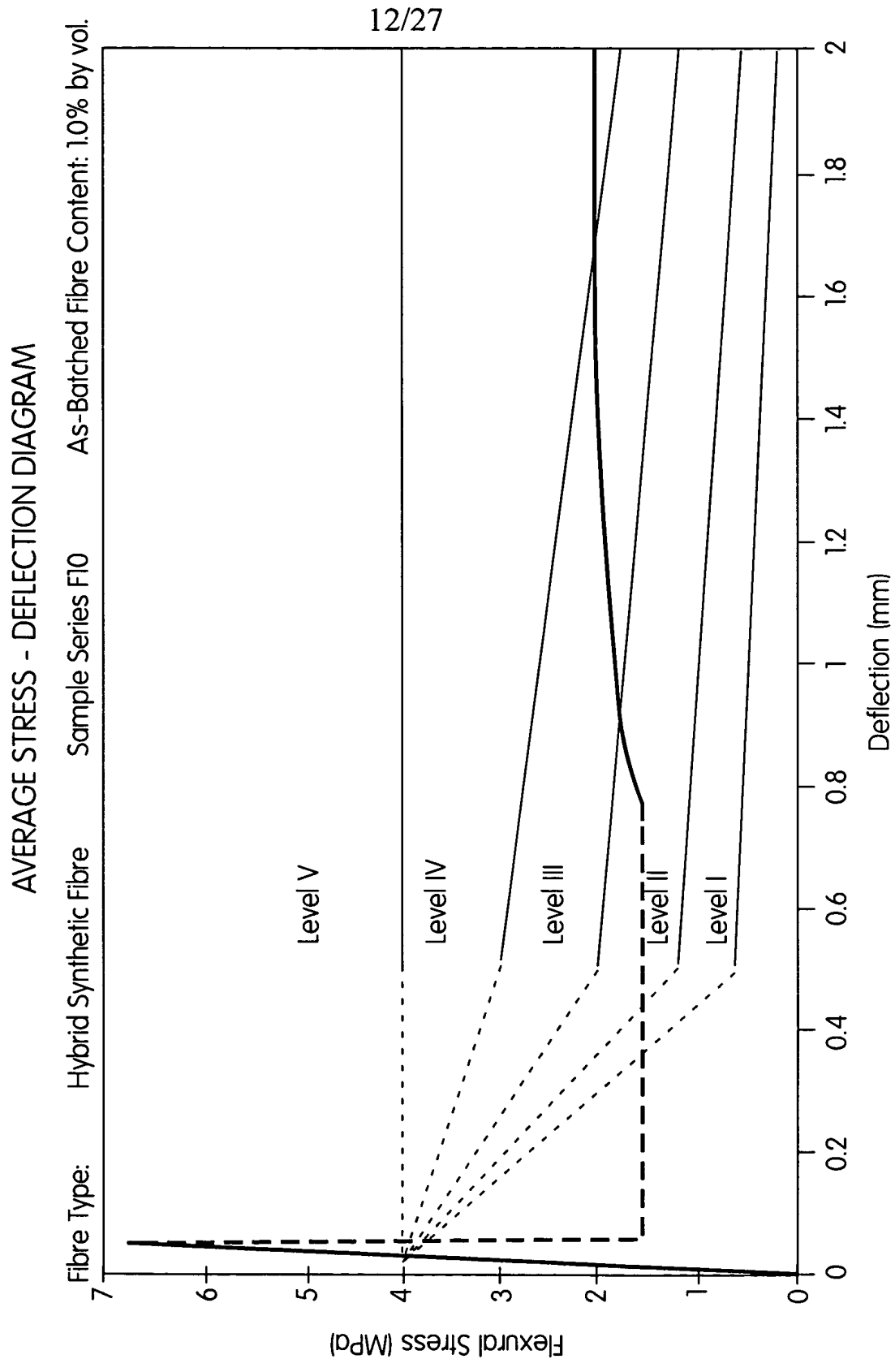


FIG. 15

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STRESS - DEFLECTION DIAGRAM TO ASTM C1018

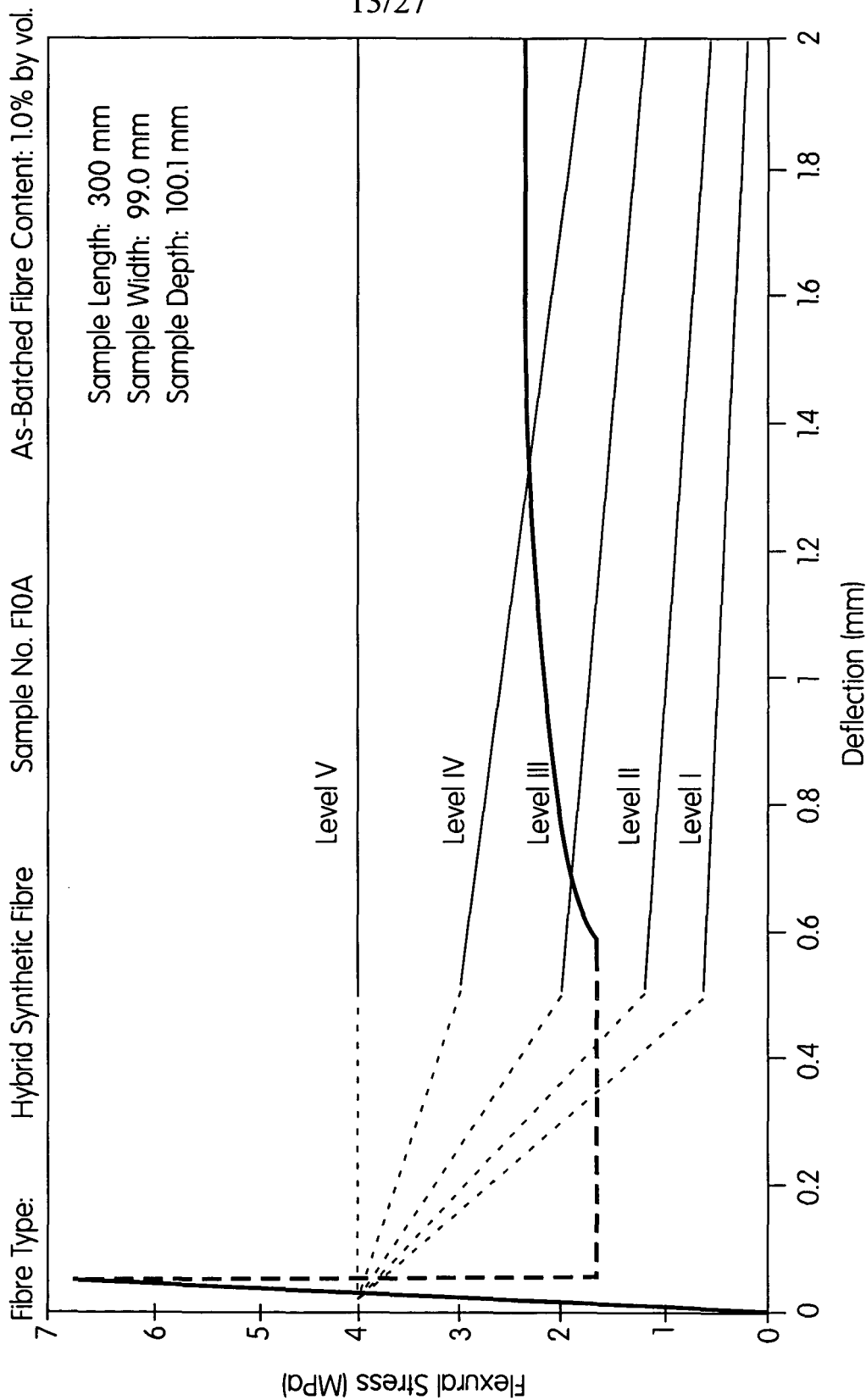


FIG. 16

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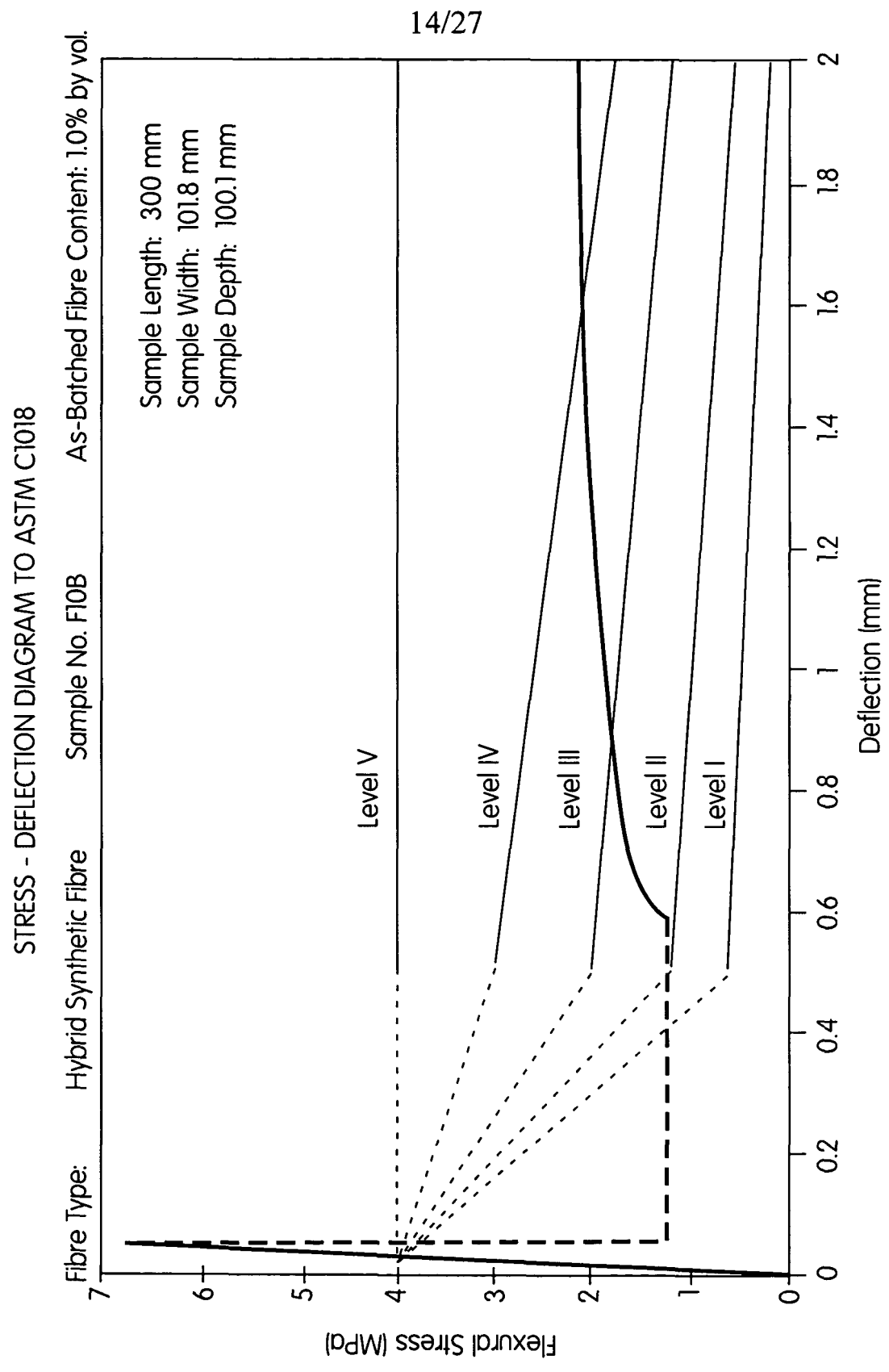


FIG. 17

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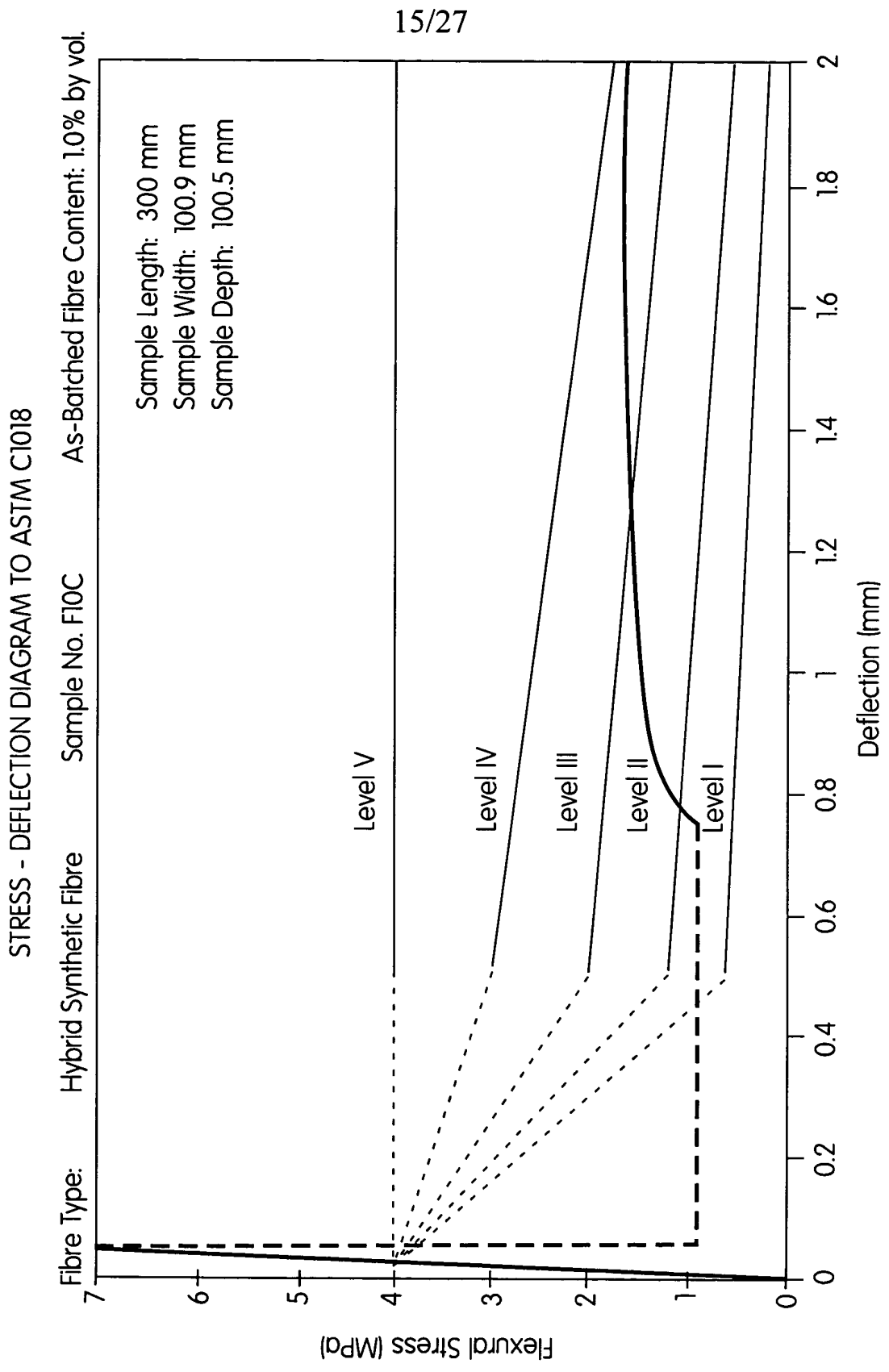


FIG. 18

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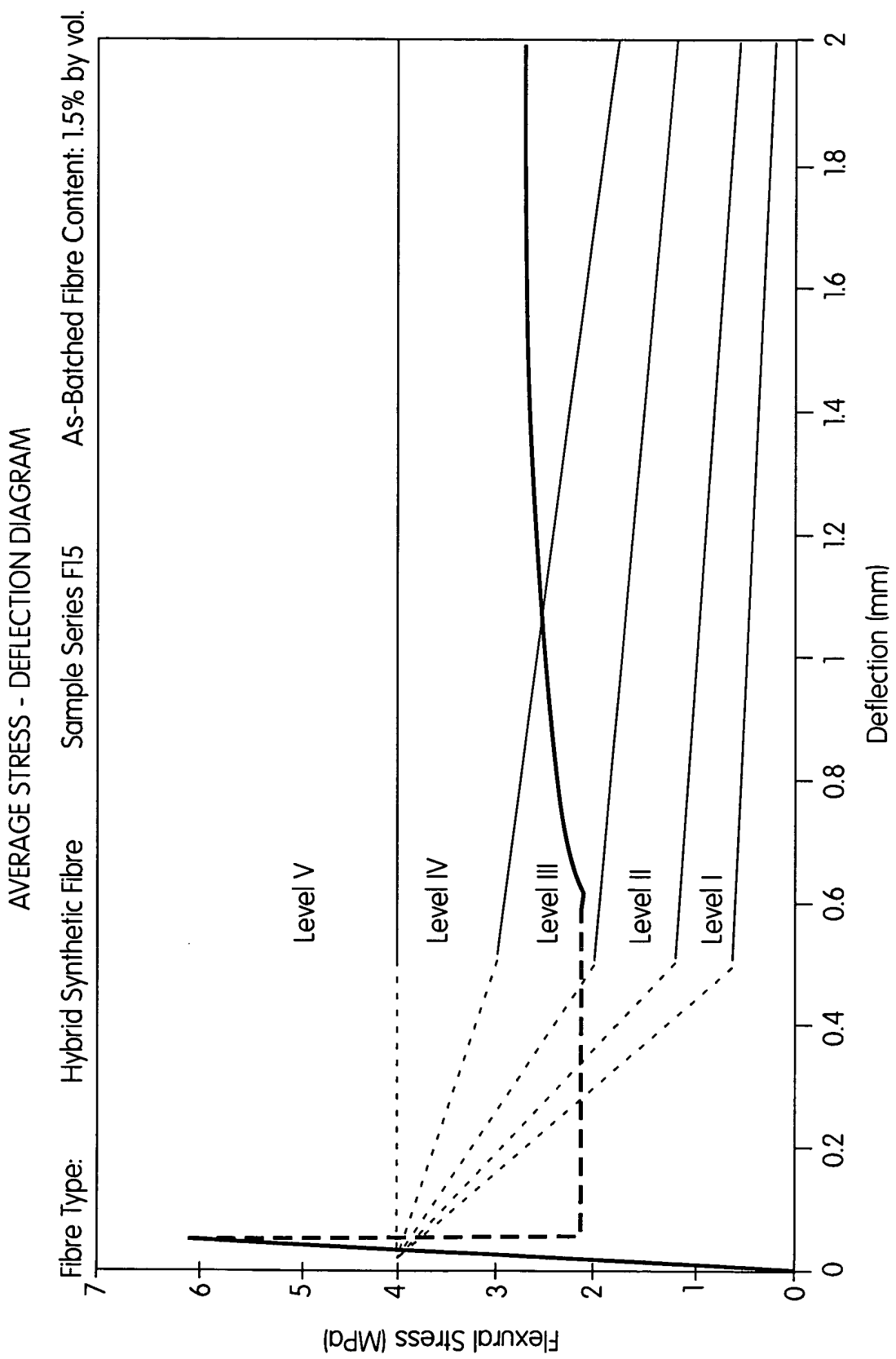


FIG. 19

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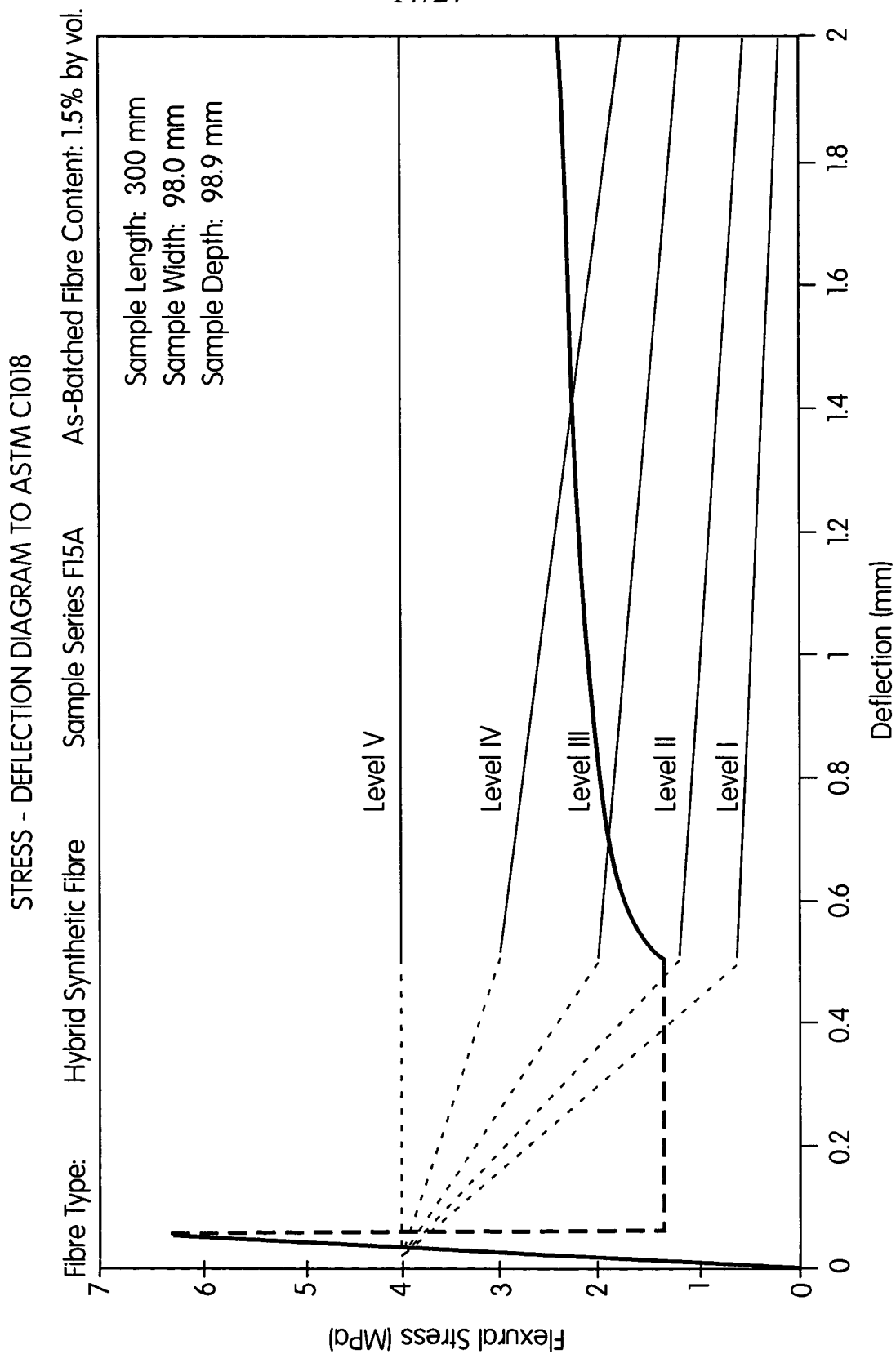


FIG. 20

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STRESS - DEFLECTION DIAGRAM TO ASTM C1018

Fibre Type: Hybrid Synthetic Fibre Sample Series F15B As-Batched Fibre Content: 1.5% by vol.

Sample Length: 300 mm
Sample Width: 98.5 mm
Sample Depth: 100.1 mm

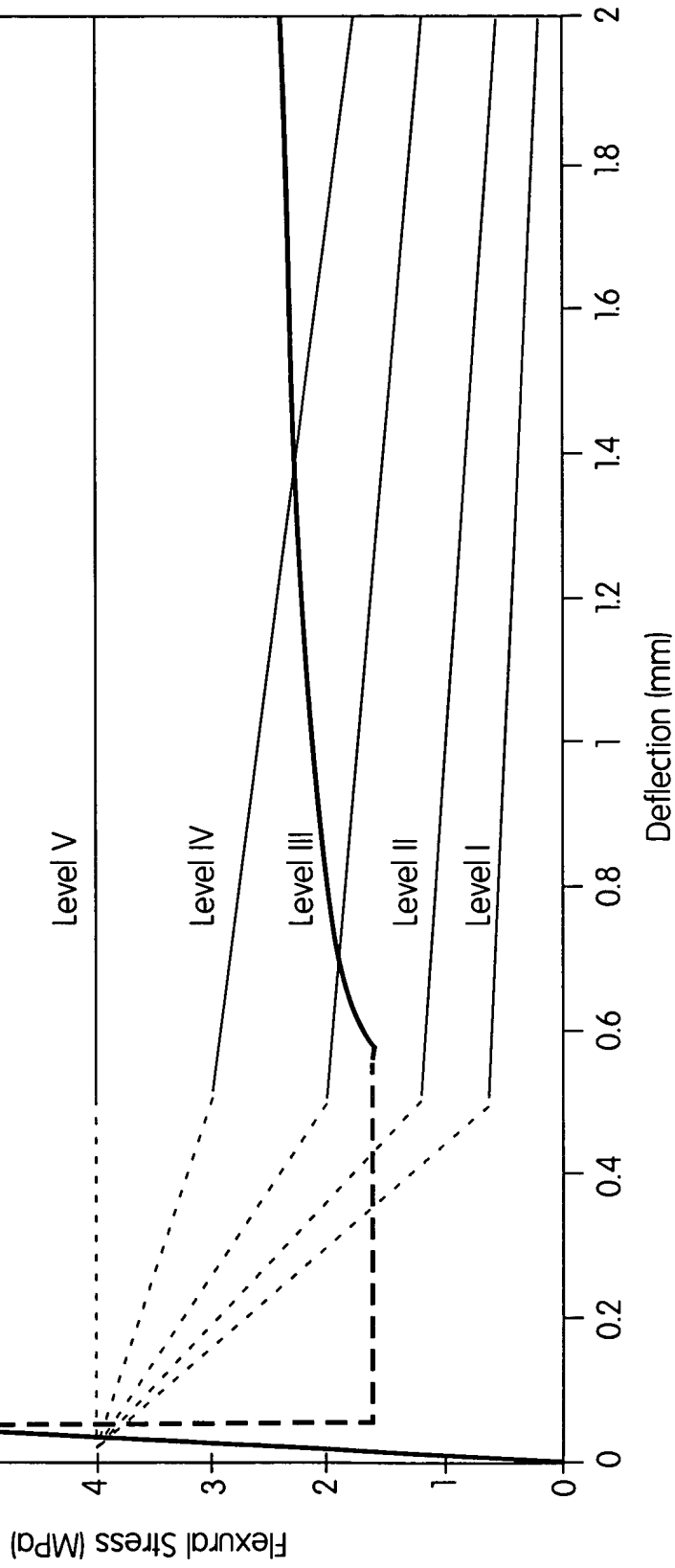
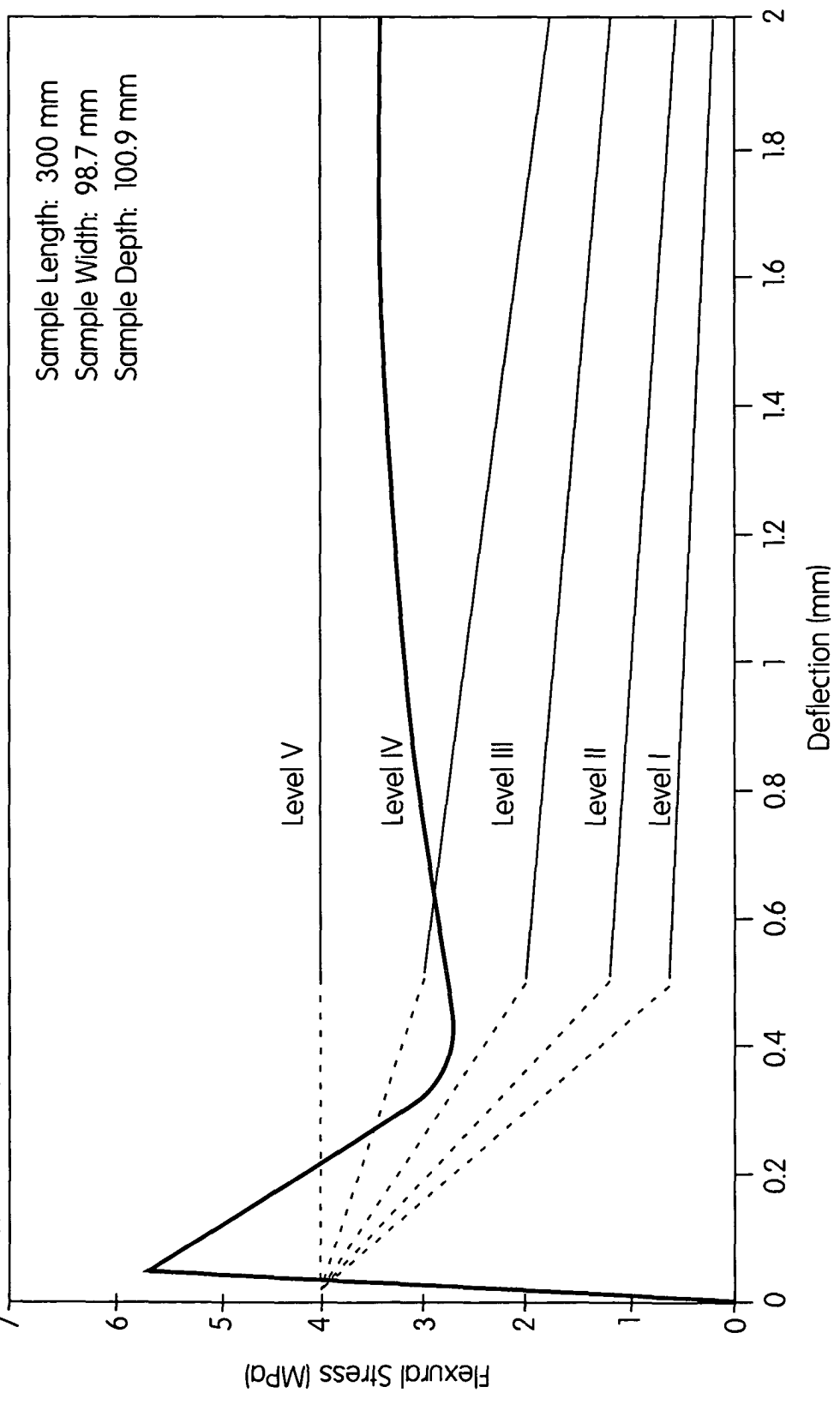


FIG. 21

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Fibre Type: Hybrid Synthetic Fibre Sample No. F15C As-Batched Fibre Content: 1.5% by vol.



Sample Length: 300 mm
Sample Width: 98.7 mm
Sample Depth: 100.9 mm

19/27

FIG. 22

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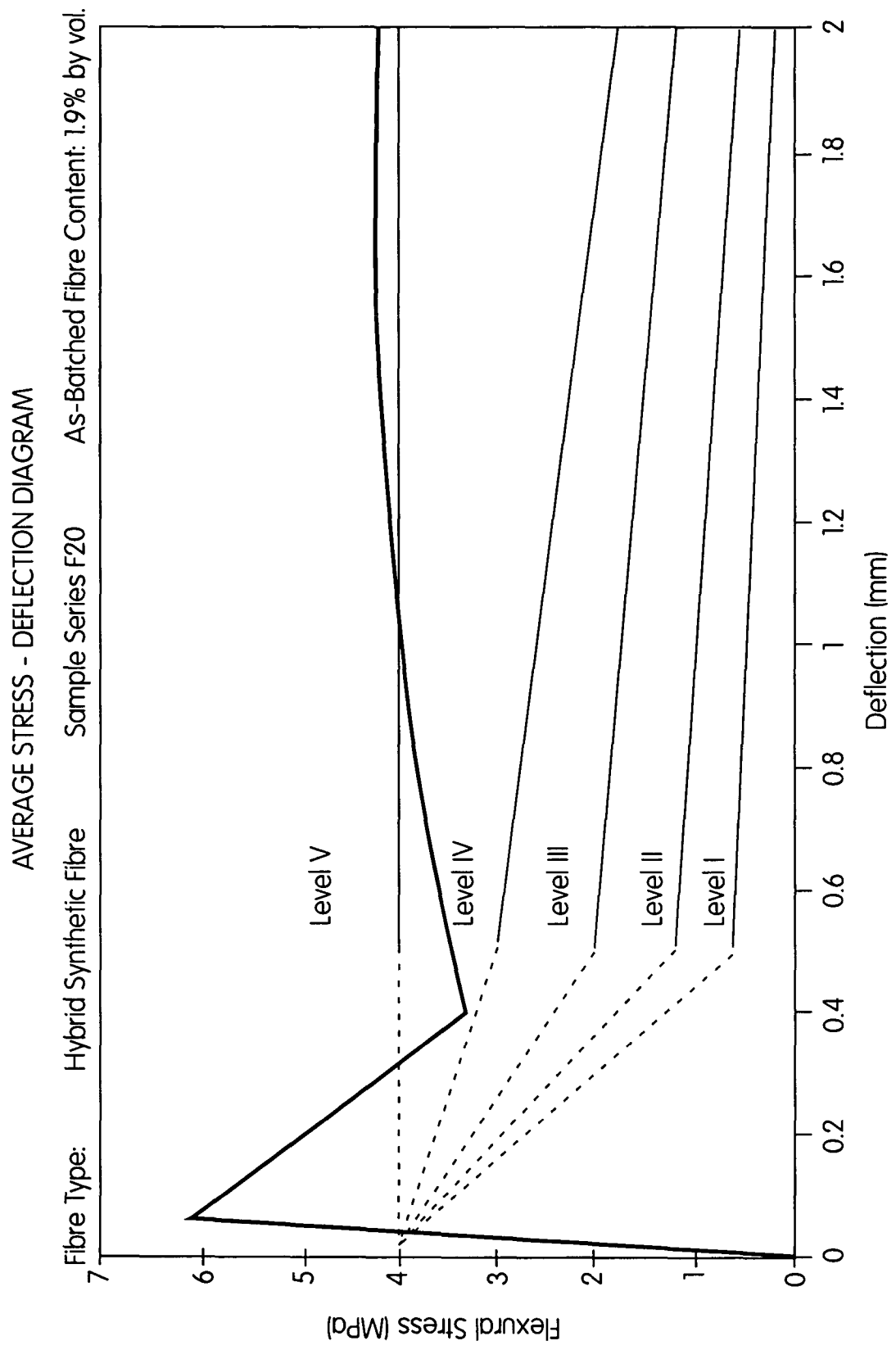


FIG. 23

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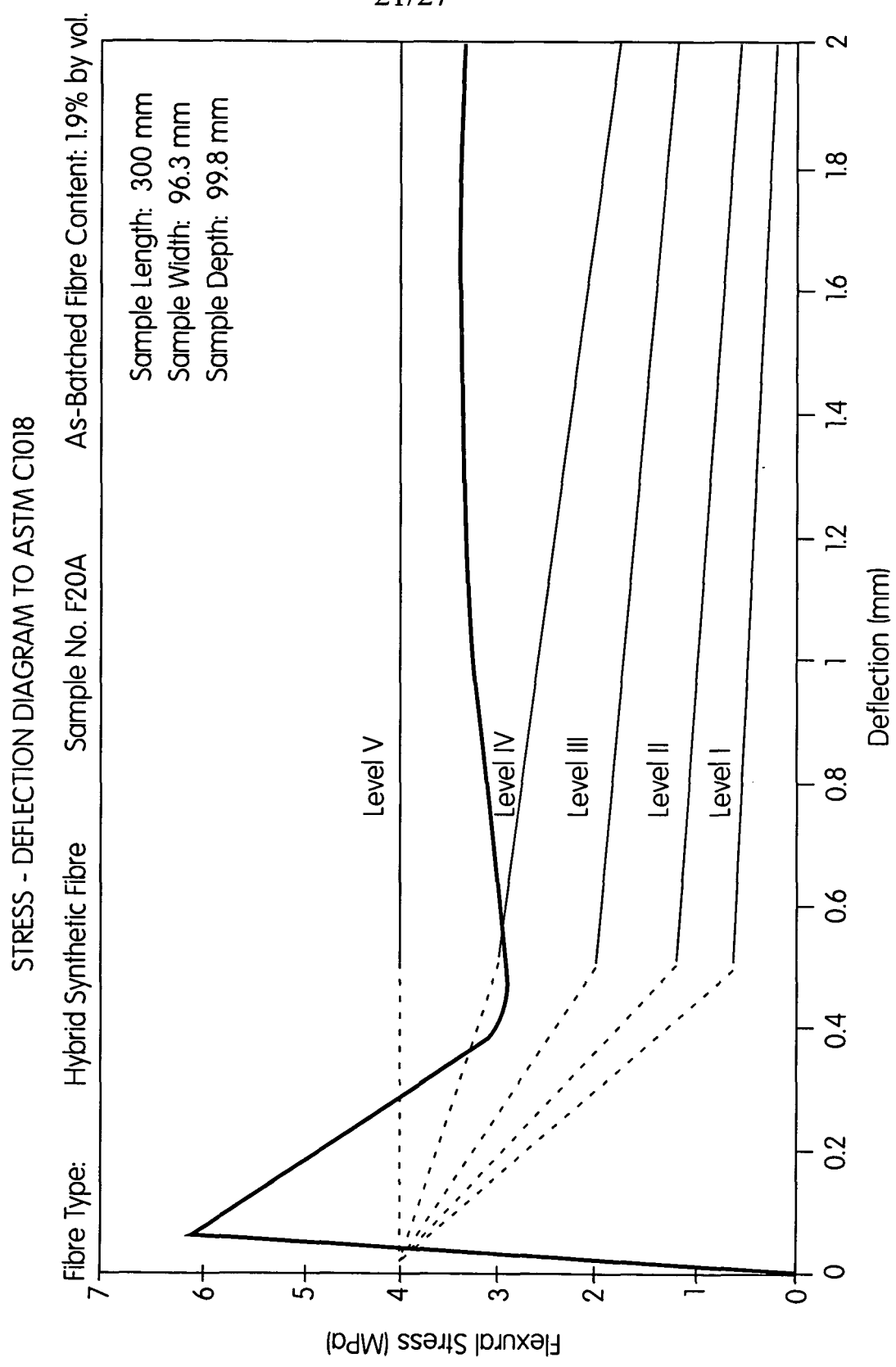


FIG. 24

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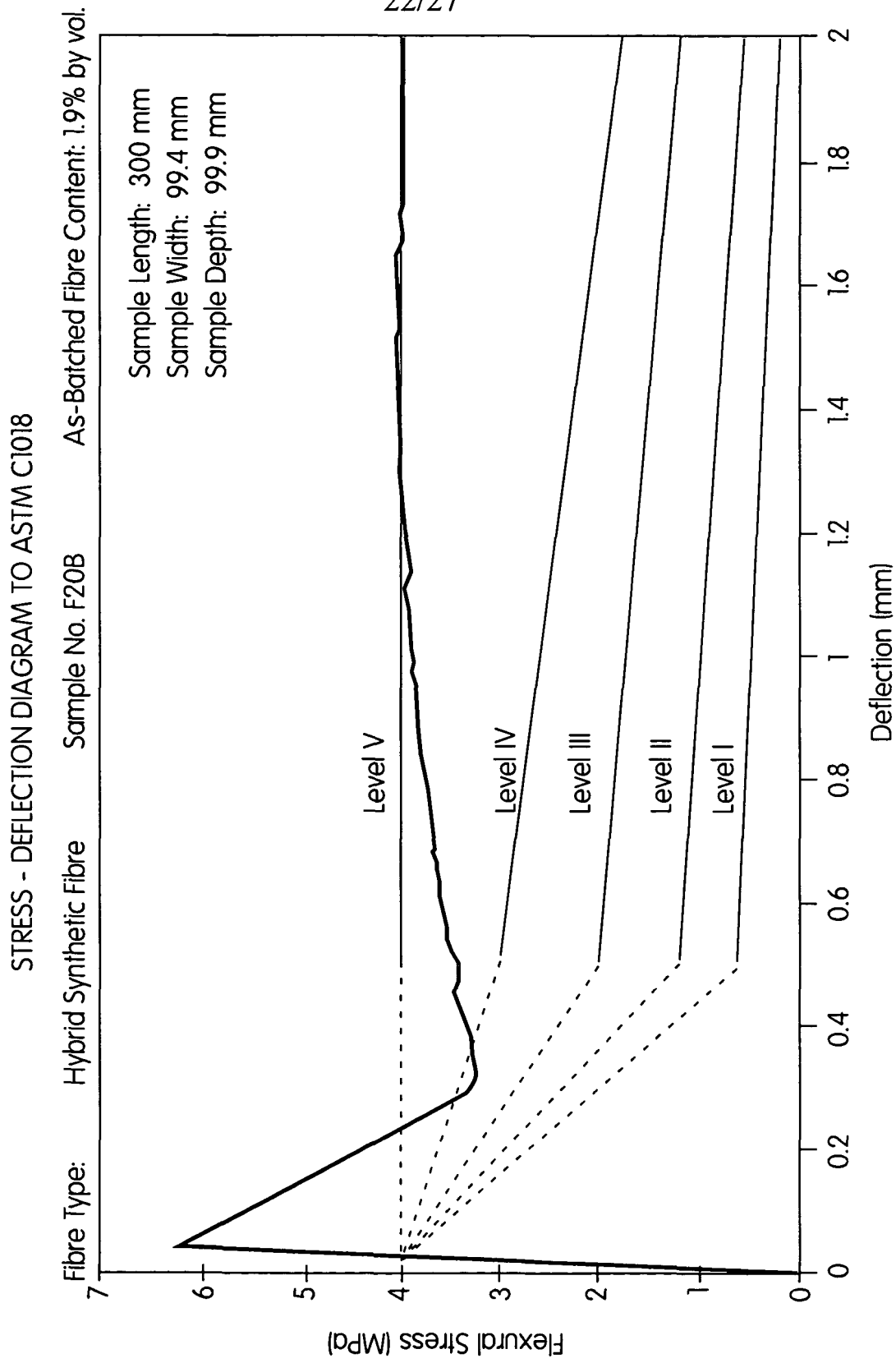


FIG. 25

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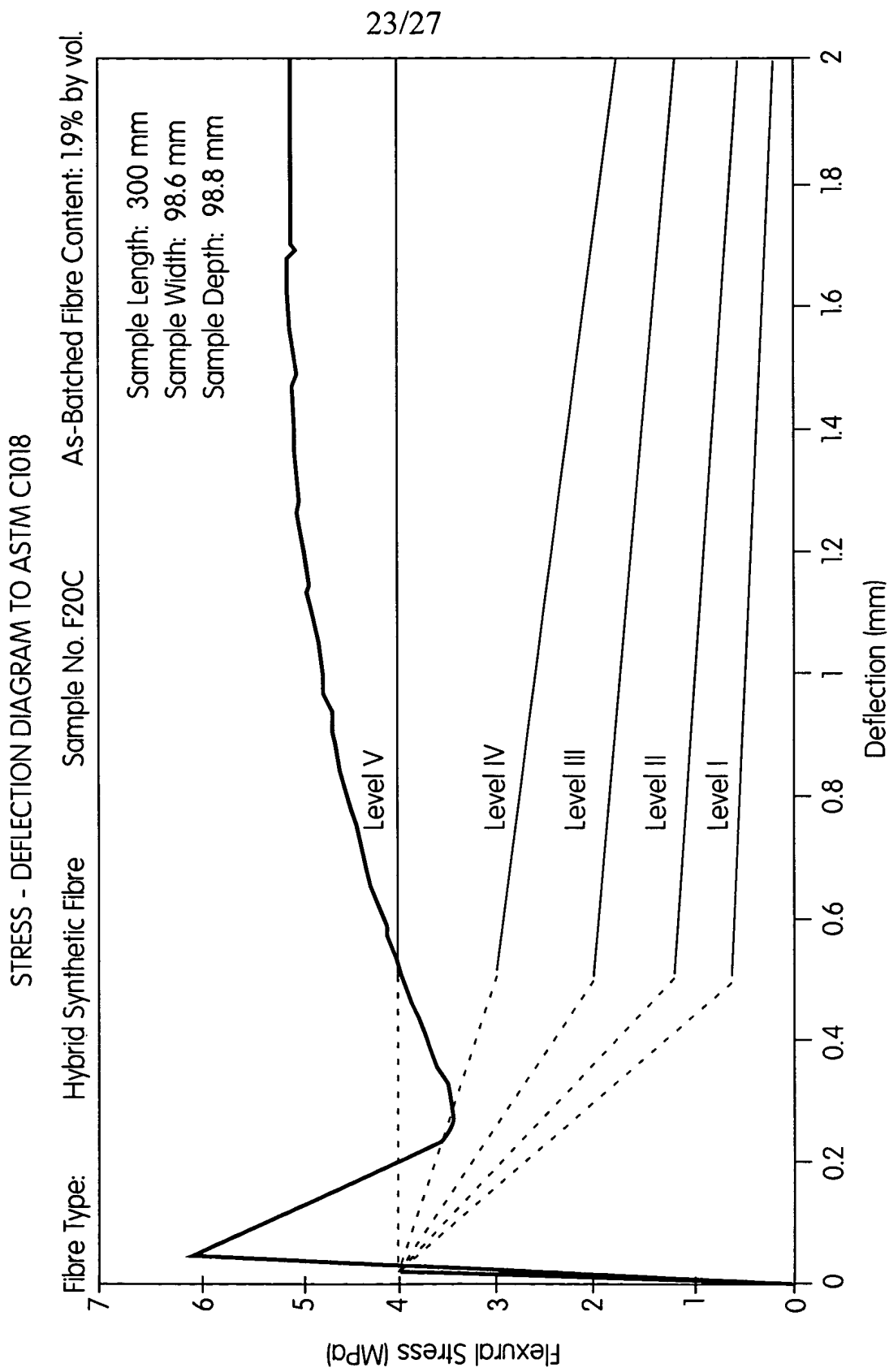


FIG. 26

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Shotcrete Round Panel Testing - Mixture F10
Hybrid Synthetic Structural Fibre, 1.0% vol., Wet-Mix Shotcrete

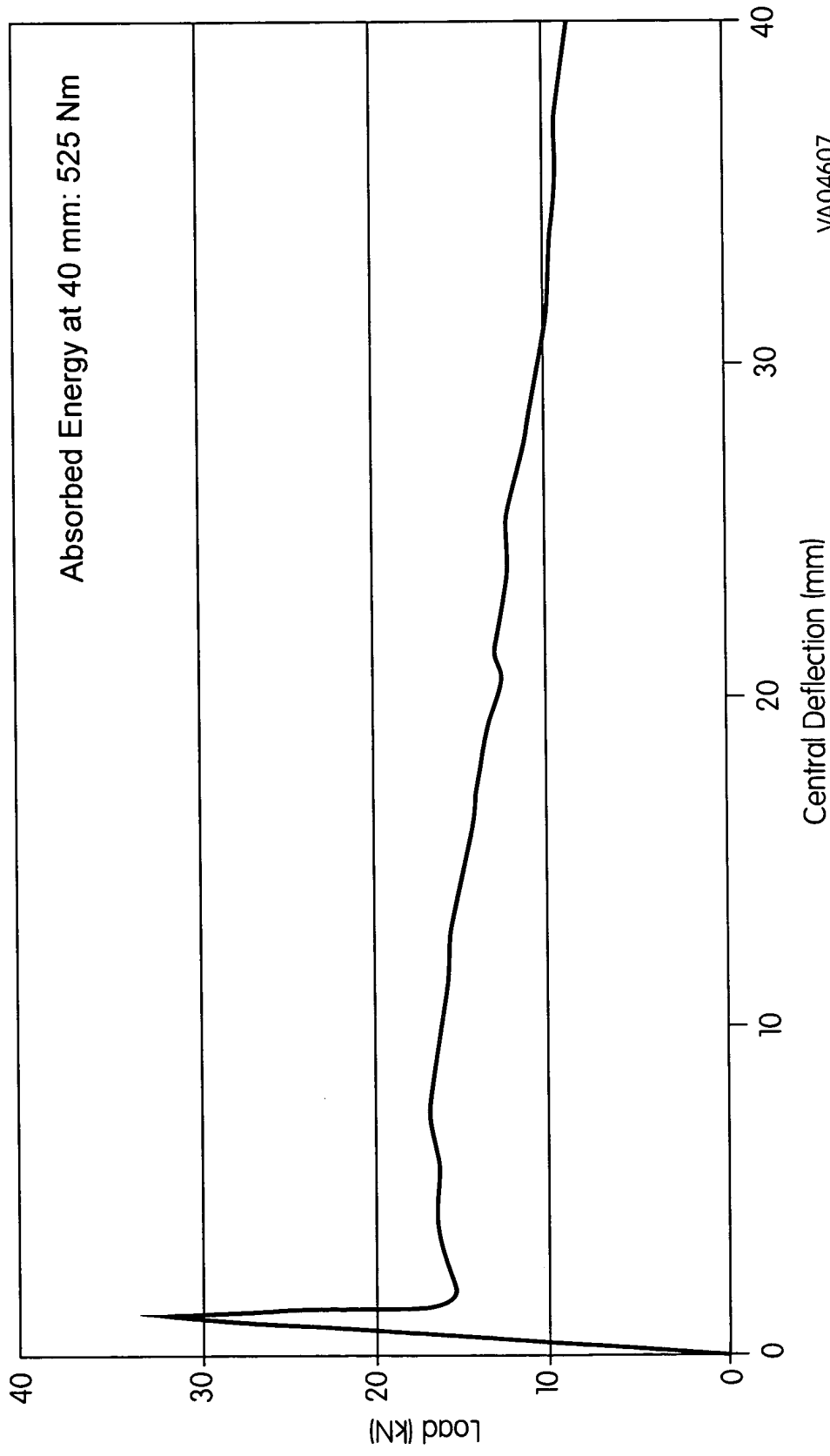


FIG. 27

Shotcrete Round Panel Testing - Mixture F15
Hybrid Synthetic Structural Fibre, 1.5% vol., Wet-Mix Shotcrete

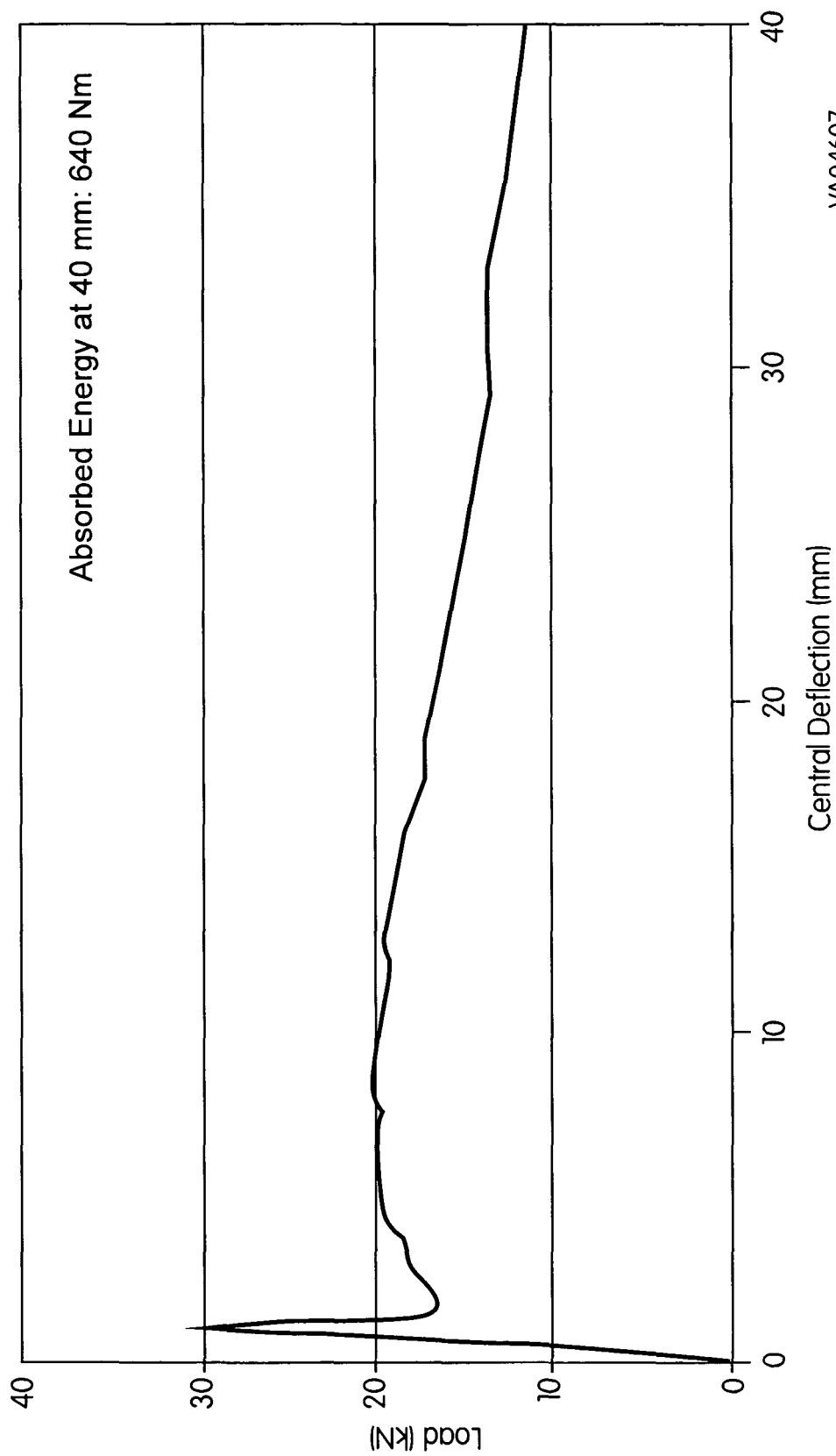
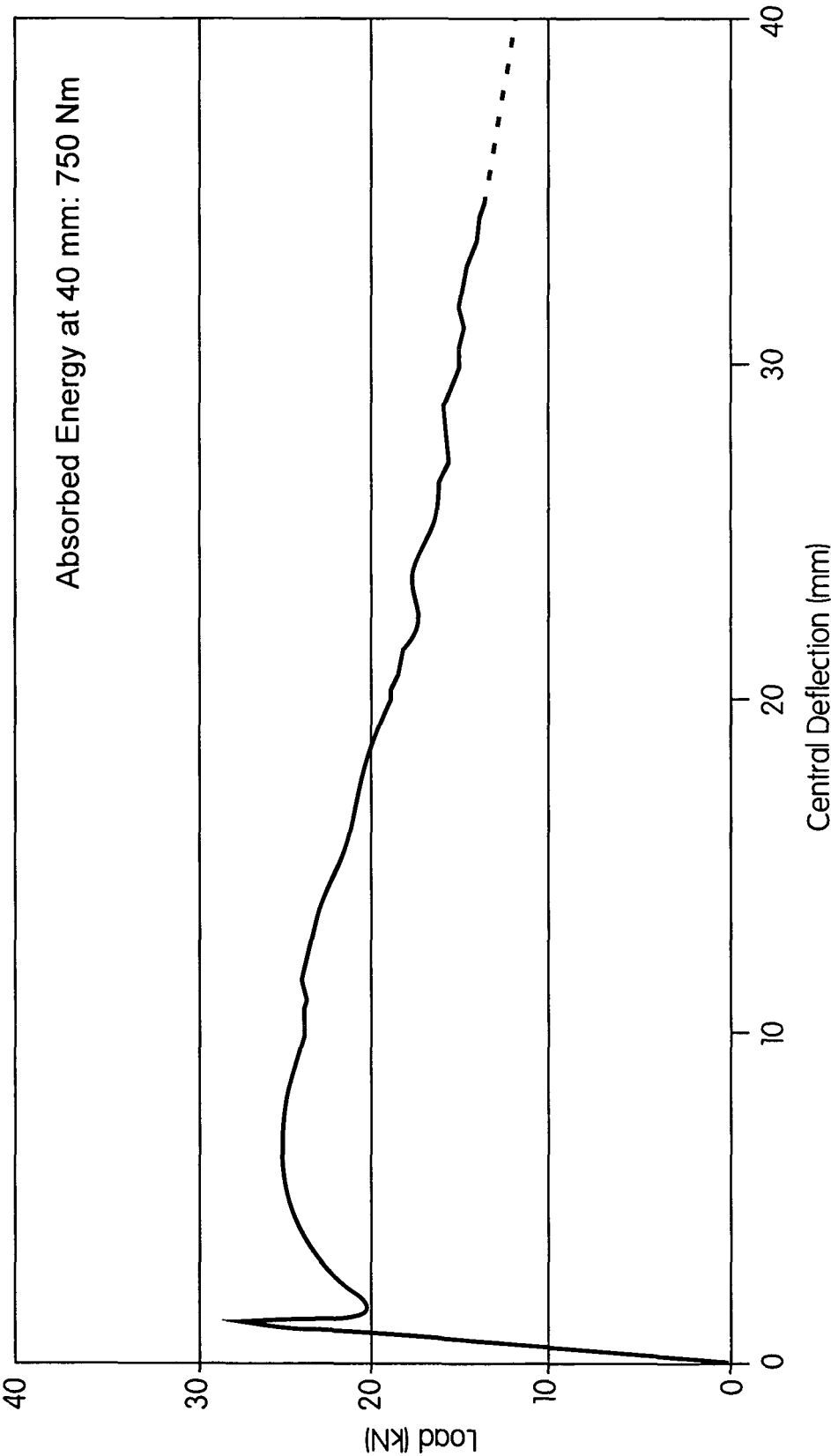


FIG. 28

Shotcrete Round Panel Testing - Mixture F20
Hybrid Synthetic Structural Fibre, 1.9% vol., Wet-Mix Shotcrete



VA04607

FIG. 29

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27/27

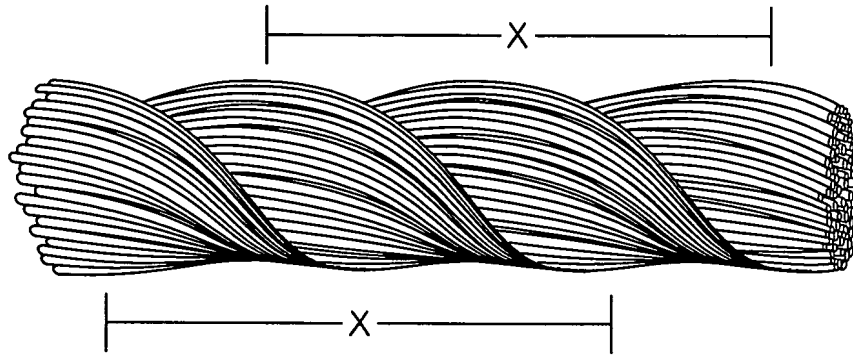


FIG. 30



FIG. 31

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